

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>6.70.1070</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/IB 03/05411</b>	International filing date (day/month/year) <b>26/11/2003</b>	(Earliest) Priority Date (day/month/year) <b>29/11/2002</b>
Applicant  <b>INTERBREW S.A.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 7 sheets.  
☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).
3. ☒ **Unity of invention is lacking** (see Box II).

**4. With regard to the title,**

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established by this Authority to read as follows:  
**DISPENSER HAVING A CONDUIT WITH A FLOW RESTRICTOR**

**5. With regard to the abstract,**

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. The figure of the drawings to be published with the abstract is Figure No.**

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☒ because this figure better characterizes the invention.
- 6 ☐ None of the figures.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/IB 03/05411

## Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

**1. Claims: 1-20**

A conduit with flow restrictor

**2. Claims: 21-32**

A dispenser

**3. Claims: 33-57**

A tap

## INTERNATIONAL SEARCH REPORT

International Application No

CT/IB 03/05411

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 B67D1/14 B67D1/08

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B67D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 031 913 A (APELLANIZ RAMON) 28 June 1977 (1977-06-28)  the whole document	1,2,6-9, 14,15, 17-20
X	EP 1 243 548 A (HEINEKEN TECH SERVICES) 25 September 2002 (2002-09-25)	44-56
Y	column 6, line 1 -column 8, line 49; figures 1-6	21-24, 26-31
Y	WO 00/03944 A (TIMP PIET HEIN WILLEM ;BAAL PATRICK MICHAEL VAN (NL); HEINEKEN TEC) 27 January 2000 (2000-01-27) page 13, line 12 -page 17, line 24; figures 1-7,11-18	21-24, 26-31
A	GB 790 140 A (GASKELL & CHAMBERS LTD) 5 February 1958 (1958-02-05)	
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 May 2004

Date of mailing of the international search report

14. 05. 2004

Name and mailing address of the ISA

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Müller, C

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB 03/05411

C.(Continuation) DOCUMENTS ORDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 28 01 668 A (FELDSCHLOESSCHEN BRAUEREI) 27 July 1978 (1978-07-27) ---	
A	WO 98/03812 A (LOMBARDO SAMUEL N) 29 January 1998 (1998-01-29) ---	
A	DE 198 47 465 A (GRUBER GUENTHER) 27 April 2000 (2000-04-27) ---	
A	WO 91/00240 A (SKERRA HELMUT ;KARHAN GEORGE (AU)) 10 January 1991 (1991-01-10) ---	
A	US 4 651 898 A (BELL MICHAEL) 24 March 1987 (1987-03-24) ---	
A	NL 1 019 526 C (HEINEKEN TECH SERVICES) 30 December 2002 (2002-12-30) -----	

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/05411

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4031913	A	28-06-1977	BE 815916 A1 BE 829622 A4 AU 8184875 A CA 1029693 A1 DE 2439915 A1 ES 438231 A1 FR 2273754 A1 IT 1036569 B NL 7506504 A ,B, DE 2527438 A1	30-09-1974 15-09-1975 09-12-1976 18-04-1978 18-12-1975 16-01-1977 02-01-1976 30-10-1979 09-12-1975 02-12-1976
EP 1243548	A	25-09-2002	EP 1243548 A2 EP 1213258 A2 CN 1239464 T DE 69820846 D1 EP 0935585 A1 WO 9911561 A1 JP 2001504786 T	25-09-2002 12-06-2002 22-12-1999 05-02-2004 18-08-1999 11-03-1999 10-04-2001
WO 0003944	A	27-01-2000	NL 1009654 C2 AT 228099 T AU 746823 B2 AU 5070799 A BG 105135 A BR 9912105 A CA 2337044 A1 CN 1117024 B CZ 20010172 A3 DE 69904050 D1 DE 69904050 T2 EA 1986 B1 EE 200100029 A EP 1245526 A1 EP 1097104 A1 HR 20010037 A1 HU 0102914 A2 ID 27961 A JP 2002520237 T NL 1012546 C2 NL 1014081 C2 NL 1014081 A1 WO 0003944 A1 NO 20010192 A NZ 509075 A PL 345393 A1 SK 272001 A3 TR 200100072 T2 US 6516839 B1 ZA 200007682 A	19-01-2000 15-12-2002 02-05-2002 07-02-2000 28-09-2001 02-05-2001 27-01-2000 06-08-2003 13-02-2002 02-01-2003 09-10-2003 22-10-2001 17-06-2002 02-10-2002 09-05-2001 28-02-2002 28-12-2001 03-05-2001 09-07-2002 24-01-2000 19-06-2000 08-02-2000 27-01-2000 12-03-2001 25-10-2002 17-12-2001 06-08-2001 21-06-2001 11-02-2003 01-11-2002
GB 790140	A	05-02-1958	NONE	
DE 2801668	A	27-07-1978	DE 2801668 A1 DK 33178 A	27-07-1978 25-07-1978
WO 9803812	A	29-01-1998	WO 9803812 A1 AU 6547396 A	29-01-1998 10-02-1998

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/05411

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 19847465	A	27-04-2000	DE 19847465 A1	27-04-2000
			AT 409756 B	25-11-2002
			AT 173199 A	15-03-2002
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WO 9100240	A	10-01-1991	WO 9100240 A1	10-01-1991
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US 4651898	A	24-03-1987	CA 1179992 A1	27-12-1984
			AU 580280 B2	12-01-1989
			AU 3761485 A	22-08-1985
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NL 1019526	C	30-12-2002	NL 1019526 C2	30-12-2002
			NL 1019526 A1	29-01-2002
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